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STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

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RECEIVED

Marv H. Maxell, Ph.D., Acting Director
Room 474 801-533-6121

November 1, 1982
533-6146

Mr. James W. Godlove
Director of Environmental Affairs
White River Shale Oil Corporation
Suite 500, Prudential Building
115 South Main Street
Salt Lake City, UT 84111

Re: Construction Permit
Proposed Runoff
Retention Dam and Pond
White River Shale Project

Dear Mr. Godlove:

We have reviewed the plans and Engineer's Report submitted October 5, 1982 for the proposed runoff retention dam and pond.

As a result of our review we find the plans to be in substantial conformance with the Utah Wastewater Disposal Regulations and a Construction Permit as constituted by this letter is hereby issued as follows:

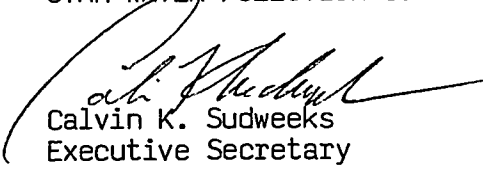
1. A runoff retention pond and dam will be constructed. The dam and pond are designed to contain a 100 year storm. The holding pond will have a maximum capacity of 211 acre-feet, a total water surface area of 11 acres, and a maximum depth of 59 feet. Plans and specifications for the dam will be approved by the State Engineer's Office.
2. Major inflows to the pond will be normal runoff, treated effluent from the retort, process area wastewater treatment system and raw shale pile leachate. Since the pond water will be recirculated for various uses, the intermittent sanitary wastewater treatment plant effluent will only be acceptable for reuse if it meets requirements of Part I of the Utah Wastewater Disposal Regulations. Also, its use must be approved in the construction permit to be issued for that facility.

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3. Quality and quantity of the inflow to the runoff retention pond have not yet been determined, particularly from the retort and process area of the wastewater treatment plant. Therefore these streams must not be discharged until such data is available and clearance is obtained from the Utah Bureau of Water Pollution Control. Construction permits will of course be necessary for all future wastewater facilities such as the process area wastewater treatment plant.
4. Monitoring wells will be installed below the dam and sampled as in the Engineer's Report entitled "Proposed Runoff Retention Dam and Pond".
5. A small lined leachate collection basin at the downgradient base of the dam will collect any seepage from the pond flowing through the dam, where it will evaporate or be pumped back into the reservoir.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE



Calvin K. Sudweeks
Executive Secretary

EHP:gb

cc: Uintah Basin Dist. Hlth. Dept.
1562